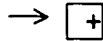


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<b>REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	10/055,511
	Filing Date	January 23, 2002
	First Named Inventor	Matthew L. Parsons et al.
	Group Art Unit	3731
	Examiner Name	Unassigned
	Attorney Docket Number	5224

I hereby revoke all previous powers of attorney or authorizations of agent given in the above identified application:

☒ A Power of Attorney or Authorization of Agent is submitted herewith.

OR

☒ Please change the correspondence address for the above-identified application to:

☒ Customer Number 24536

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Genzyme Corporation					
Address	15 Pleasant St. Connector					
Address	Legal Department					
City	Framingham					
Country	USA	State	MA	ZIP	01701-9322	
Telephone	(508) 270-2582	Fax	(508) 872-5415			

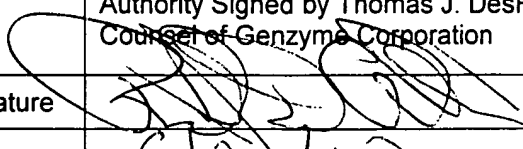
I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

*Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

**SIGNATURE of Applicant or Assignee of Record**

Name	Richard D. Allison, Managing Intellectual Property Counsel with Attached Signature Authority Signed by Thomas J. DesRosier, Senior Vice President and General Counsel of Genzyme Corporation
Signature	
Date	6/27/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 3 forms are submitted.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Invent Owner: Matthew L. Parsons et al.

Application No. 09/055,511

Filed/Issue Date: January 23, 2002

Entitled: Device and Method for the Manipulation of Organs

Genzyme Corporation

a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 012710, Frame 0187, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

6/21/02  
Date

[Signature]  
Signature

Richard D. Allison

Typed or printed name

Managing Intellectual Property Counsel  
with Attached Signature Authority

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

# genzyme

GENZYME CORPORATION  
ONE KENDALL SQUARE  
CAMBRIDGE, MA 02139-1562, U.S.A.  
617-252-7500  
FAX 617-252-7600



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## SIGNATURE AUTHORITY

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I, Thomas J. DesRosier, Senior Vice President and General Counsel of Genzyme Corporation hereby appoint Madge R. Kanter, Richard Allison, Elizabeth Lassen and Bart G. Newland, all Managing Intellectual Property Counsel of Genzyme Corporation, with full power and authority to transact any and all business before the United States Patent and Trademark Office, and any foreign counterpart patent office, with the powers of a Corporate Officer of Genzyme Corporation.

Date: September 24, 2001

Thomas J. DesRosier, Esquire  
Senior Vice President and General Counsel  
GENZYME CORPORATION

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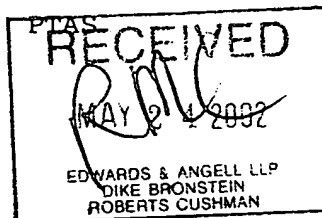
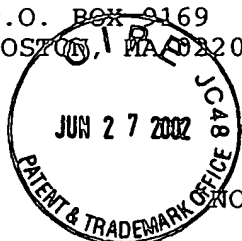
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MAY 20, 2002

EDWARDS & ANGELL, LLP  
DAVID G. COLIN  
P.O. BOX 9169  
BOSTON, MA 02209



Chief Information Officer  
Washington, DC 20231  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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REEL/FRAME: 012710/0187  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

PARSONS, MATTHEW L.

DOC DATE: 01/31/2002

ASSIGNOR:

MARTIN, THOMAS E.

DOC DATE: 02/01/2002

ASSIGNEE:

GENZYME CORPORATION  
ONE KENDALL SQUARE  
CAMBRIDGE, MASSACHUSETTS 02139

SERIAL NUMBER: 10055511  
PATENT NUMBER:

FILING DATE: 01/23/2002  
ISSUE DATE:

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Matthew L. PARSONS  
Thomas E. MARTIN

2. Name and address of receiving party(ies)

Name: GENZYME CORPORATION

Internal Address:

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Street Address: ONE KENDALL SQUARE

City: CAMBRIDGE State: MA Zip: 02139

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: January 31, 2002, February 1, 2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/055,511

Filed: January 23, 2002

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David G. Conlin

Internal Address: EDWARDS & ANGELL, LLP

P.O. BOX 9169

Street Address:

City: BOSTON State: MA Zip: 02209

6. Total number of applications and patents involved

7. Total fee (37 CFR 3.41).....\$ 40.00

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☐ Authorized to be charged to deposit account

8. Deposit account number:

04-1105 (Customer No.: 21874)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

LISA SWISZCZ HAZZARD

Name of Person Signing

Signature

Date

3/12/02

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**ASSIGNMENT**

KNOW ALL MEN BY THESE PRESENTS, THAT

WHEREAS, we, Matthew L. Parsons and Thomas E. Martin, (hereinafter designated as the "Assignors"), having invented certain improvements in DEVICE AND METHOD FOR THE MANIPULATION OF ORGANS, for which an application has been filed in the United States Patent and Trademark Office on January 23, 2002 (the "Invention");

WHEREAS, Genzyme Corporation, One Kendall Square, Cambridge, Massachusetts 02139, hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which is hereby acknowledged, the Assignors has sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of Dike, Bronstein, Roberts & Cushman, Intellectual Property Group of EDWARDS & ANGELL, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this documents.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be executed.


Dated this 31<sup>st</sup> day of January, 2002.

  
Matthew L. Parsons

**CERTIFICATE**

State of Massachusetts  
County of Bristol

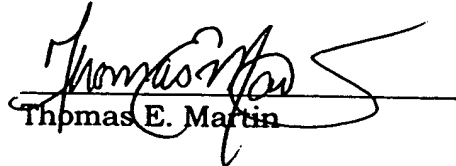
Personally appeared before me the above-named Matthew L. Parsons, who signed the foregoing Assignment in my presence on the date thereof and acknowledged the same to be his voluntary act and deed.

  
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My Commissioner Expires:

James J. Lally  
Notary Public  
My Commission Expires May 21, 2004

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be executed.

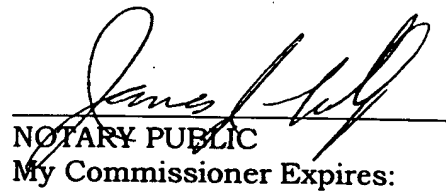
Dated this 1<sup>st</sup> day of February, 2002.

  
Thomas E. Martin

**CERTIFICATE**

State of Massachusetts  
County of Bristol

Personally appeared before me the above-named Thomas E. Martin, who signed the foregoing Assignment in my presence on the date thereof and acknowledged the same to be his voluntary act and deed.

  
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My Commissioner Expires:

James J. Lally  
Notary Public  
My Commission Expires May 21, 2004



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## 1. Name of conveying party(ies):

Matthew L. PARSONS  
Thomas E. MARTIN

JUN 27 2002

21-02

## 2. Name and address of receiving party(ies)

Name: GENZYME CORPORATION

Internal Address: \_\_\_\_\_

REC

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Street Address: ONE KENDALL SQUARE

City: CAMBRIDGE State: MA Zip: 02139

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: January 31, 2002, February 1, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/055,511

Filed: January 23, 2002

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David G. Conlin

Internal Address: EDWARDS &amp; ANGELL, LLP

P.O. BOX 9169

Street Address: \_\_\_\_\_

City: BOSTON State: MA Zip: 02209

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

04-1105 (Customer No.: 21874)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

LISA SWISZCZ HAZZARD

Name of Person Signing

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Washington, D.C. 20231

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**ASSIGNMENT**

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The Assignors also have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

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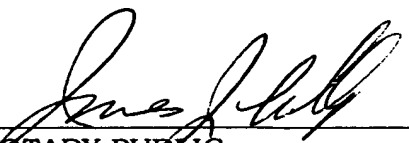
Dated this 31<sup>st</sup> day of January, 2002.

  
Matthew L. Parsons

**CERTIFICATE**

State of Massachusetts  
County of Bristol

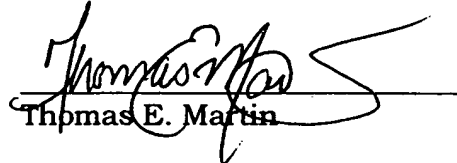
Personally appeared before me the above-named Matthew L. Parsons, who signed the foregoing Assignment in my presence on the date thereof and acknowledged the same to be his voluntary act and deed.

  
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My Commissioner Expires:

James J. Lally  
Notary Public  
My Commission Expires May 21, 2004

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be executed.

Dated this 1st day of February, 2002.

  
Thomas E. Martin

**CERTIFICATE**

State of Massachusetts  
County of Bristol

Personally appeared before me the above-named Thomas E. Martin, who signed the foregoing Assignment in my presence on the date thereof and acknowledged the same to be his voluntary act and deed.

  
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My Commissioner Expires:

James J. Lally  
Notary Public  
My Commission Expires May 21, 2004

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**



Application Number	10/055,511
Filing Date	January 23, 2002
First Named Inventor	Matthew L. Parsons et al.
Group Art Unit	3731
Examiner Name	Unassigned
Attorney Docket Number	5224

I hereby appoint

☒ Practitioners at Customer Number

24536



☒ Practitioner(s) named below:

Name	Registration Number
Richard D. Allison	31,584
Isabelle A.S. Blundell	43,321
Robert J. Cobert	36,108
Thomas J. DesRosier	30,168

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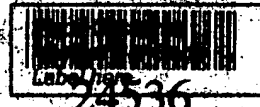
Please change the correspondence address for the above-identified application to:

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OR

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☒ Firm or Individual Name

Genzyme Corporation

Address 15 Pleasant St. Connector

Address Legal Dept.

City Framingham State MA ZIP 01701-9322

Country USA

Telephone (508) 270-2582 Fax (508) 872-5415

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name Richard D. Allison

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT

JUN 27 2002

Application Number	10/055,511
Filing Date	January 23, 2002
First Named Inventor	Matthew L. Parsons et al.
Group Art Unit	3731
Examiner Name	Unassigned
Attorney Docket Number	5224

I hereby appoint:

☒ Practitioners at Customer Number

OR  
☒ Practitioner(s) named below:

Name	Registration Number
Deborah A. Dugan	37,315
Jennifer L. Dupre	41,722
Madge Kanter	35,211
Elizabeth Lassen	31,845

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR  
☒ Practitioners at Customer Number

☒ Firm or Individual Name Genzyme Corporation

Address 15 Pleasant St. Connector

Address Legal Dept.

City Framingham

State MA

ZIP 01701-9322

Country USA

Telephone (508) 270-2582

Fax (508) 872-5415

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name Richard D. Allison

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

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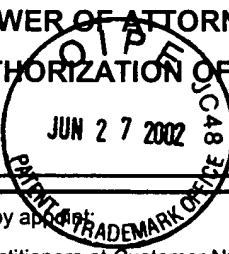
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Application Number	10/055,511
Filing Date	January 23, 2002
First Named Inventor	Matthew L. Parsons et al.
Group Art Unit	3731
Examiner Name	Unassigned
Attorney Docket Number	5224

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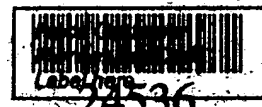
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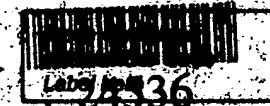
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